

Performance Inspection Procedure Checklist



Model # _____

Department/Location _____

Serial # _____

Performed By _____

Type of PIP: Post-Repair ☐ Annual ☐

Date _____

Inspection		Pass	Fail	Comments
A	Physical Inspection	<input type="checkbox"/>	<input type="checkbox"/>	
B	User Selected Manual Mode	Manual Mode: _____		
Testing		Pass	Fail	Comments
1	Power On			
	a. Record software version that appears during Self Test.	Version: 3011371- _____		
	b. Confirm the Service indicator is off.	<input type="checkbox"/>	<input type="checkbox"/>	
	c. Confirm the device completes the Power On sequence.	<input type="checkbox"/>	<input type="checkbox"/>	
2	Record Operating Data			
	Total Shocks _____			Power Cycle Count _____
	360J Shocks <input type="text"/> _____			Pacing Count (if installed) _____
	300J Shocks <input type="text"/> _____			Shock Count _____
	≤200J Shocks <input type="text"/> _____			Power On Time _____
				Printer On Time _____
				SpO ₂ Operating Time (if installed) _____
				Defib Storage Cap Value _____
3	Keypads			
	Confirm all control text boxes are highlighted.	<input type="checkbox"/>	<input type="checkbox"/>	
4	Printer			
	Confirm printed test strip and CHECK PRINTER message.	<input type="checkbox"/>	<input type="checkbox"/>	
5	Audio			
	Confirm voice messages and tones are clear and not distorted.	<input type="checkbox"/>	<input type="checkbox"/>	
6	Power Source Management			
	a. Confirm battery switching.	<input type="checkbox"/>	<input type="checkbox"/>	
	b. Confirm auxiliary power switching.	<input type="checkbox"/>	<input type="checkbox"/>	
	c. Confirm defibrillator charge current with auxiliary power.	<input type="checkbox"/>	<input type="checkbox"/>	
7	12-Lead ECG Characteristics [Alternative: 3-Lead ECG Characteristics]			
	a. Confirm leads off screen messages.	<input type="checkbox"/>	<input type="checkbox"/>	
	b. Record 12-Lead ECG gain (tolerance 36 to 44mm).	Amplitude: _____ mm		
8	3-Lead ECG Characteristics [Alternative: 12-Lead ECG Characteristics]			
	a. Confirm leads off screen messages.	<input type="checkbox"/>	<input type="checkbox"/>	
	b. Record 3-Lead ECG gain (tolerance 36 to 44mm).	Amplitude: _____ mm		
9	QUIK-COMBO Impedance Sense			
	a. Confirm display of PADDLES LEADS OFF message. [370 ohms]	<input type="checkbox"/>	<input type="checkbox"/>	
	b. Confirm no display of PADDLES LEADS OFF message. [238 ohms]	<input type="checkbox"/>	<input type="checkbox"/>	
10	QUIK-COMBO Delivered Energy			
	2J – Record delivered energy (tolerance 1.0 to 3.0J).	Energy Level: _____ J		
	10J – Record delivered energy (tolerance 9.0 to 11.0J).	Energy Level: _____ J		
	70J – Record delivered energy (tolerance 65.1 to 74.9J).	Energy Level: _____ J		
	200J – Record delivered energy (tolerance 186.0 to 214.0J).	Energy Level: _____ J		
	360J – Record delivered energy (tolerance 334.8 to 385.2J).	Energy Level: _____ J		
11	QUIK-COMBO ECG Characteristics [Alternative: Standard Paddles ECG Characteristics]			
	a. Record QUIK-COMBO ECG gain (tolerance 36 to 44mm).	Amplitude: _____ mm		
	b. Record Fast-Restore duration (maximum 12.5mm).	Duration: _____ mm		

Testing	Pass	Fail	Comments
12 QUIK-COMBO Synchronous Cardioversion [Alternative: Standard Paddles Synchronous Cardioversion] Record Sync delay (maximum 60mS):	Sync: _____	mS	
13 Standard Paddles Delivered Energy [Alternative: QUIK-COMBO Delivered Energy] 2J – Record delivered energy (tolerance 1.0 to 3.0J). 10J – Record delivered energy (tolerance 9.0 to 11.0J). 70J – Record delivered energy (tolerance 65.1 to 74.9J). 200J – Record delivered energy (tolerance 186.0 to 214.0J). 360J – Record delivered energy (tolerance 334.8 to 385.2J).	Energy Level: _____ Energy Level: _____ Energy Level: _____ Energy Level: _____ Energy Level: _____	J J J J J	
14 Standard Paddles Defibrillation Isolation Record isolation delivered energy (maximum 18J).	Energy Level: _____	J	
15 Standard Paddles ECG Characteristics [Alternative: QUIK-COMBO ECG Characteristics] a. Record Standard Paddles ECG gain (tolerance 36 to 44mm). b. Record Fast-Restore duration (maximum 12.5mm).	Amplitude: _____ Duration: _____	mm mm	
16 Standard Paddles Synchronous Cardioversion [Alternative: QUIK-COMBO Synchronous Cardioversion] Record Sync delay (maximum 60mS).	Sync: _____	mS	
17 Pacer Option Characteristics [Alternative: No Pacer Option Characteristic] a. Confirm leads off detection. b. 10ma – Record current (tolerance 5 to 15ma). 50ma – Record current (tolerance 45 to 55ma). 100ma – Record current (tolerance 95 to 105ma). 150ma – Record current (tolerance 142.5 to 157.5ma). 200ma – Record current (tolerance 190 to 210ma). c. Record pulse width (tolerance 19.0 to 21.0mS).	<input type="checkbox"/> <input type="checkbox"/> Current Level: _____ Current Level: _____ Current Level: _____ Current Level: _____ Current Level: _____ Pulse Width: _____	ma ma ma ma ma mS	
18 No Pacer Option Characteristic [Alternative: Pacer Option Characteristics] Confirm successful pacing calibration routine.	<input type="checkbox"/> <input type="checkbox"/>		
19 ECG Analog Output Record signal amplitude (tolerance 0.85 to 1.15Vp-p).	Amplitude: _____	Vp-p	
20 Oximeter [if SpO ₂ option is installed] Confirm SpO ₂ reading is between 90% and 100%.	<input type="checkbox"/> <input type="checkbox"/>		
21 PC Card [omit if user does not use a PC Card] Confirm PC Card DIALING message.	<input type="checkbox"/> <input type="checkbox"/>		
22 Chassis Leakage Current a. Neutral Closed, Polarity Normal, Lead-Chassis, Normal. b. Neutral Closed, Polarity Normal, Lead-Chassis, Fault. c. Neutral Closed, Polarity Reversed, Lead-Chassis, Normal. d. Neutral Closed, Polarity Reversed, Lead-Chassis, Fault.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
23 Earth Leakage Current a. Neutral Closed, Polarity Normal, Earth. b. Neutral Open, Polarity Normal, Earth.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
24 Paddles Source Leakage Current [Alternative: QUIK-COMBO Source Leakage Current] a. Neutral Closed, Polarity Normal, Lead-Gnd, Normal. b. Neutral Closed, Polarity Normal, Lead-Gnd, Fault. c. Neutral Closed, Polarity Normal, Lead-Lead, Normal. d. Neutral Closed, Polarity Normal, Lead-Lead, Fault.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>		
25 Paddles Sink Leakage Current [Alternative: QUIK-COMBO Sink Leakage Current] Neutral Closed, Polarity Normal, Lead Iso.	<input type="checkbox"/> <input type="checkbox"/>		

Testing	Pass	Fail	Comments
26 QUIK-COMBO Source Leakage Current [Alternative: Paddles Source Leakage Current]			
a. Neutral Closed, Polarity Normal, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
b. Neutral Closed, Polarity Normal, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
c. Neutral Closed, Polarity Normal, Lead-Lead, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
d. Neutral Closed, Polarity Normal, Lead-Lead, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
27 QUIK-COMBO Sink Leakage Current [Alternative: Paddles Sink Leakage Current]			
Neutral Closed, Polarity Normal, Lead Iso.	<input type="checkbox"/>	<input type="checkbox"/>	
28 ECG 12-Lead Source Leakage Current [Alternative: ECG 3-Lead Source Leakage Current]			
a. Neutral Closed, Polarity Normal, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
b. Neutral Closed, Polarity Normal, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
c. Neutral Closed, Polarity Reversed, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
d. Neutral Closed, Polarity Reversed, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
e. Neutral Closed, Polarity Normal, Lead-Lead, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
f. Neutral Closed, Polarity Normal, Lead-Lead, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
g. Neutral Closed, Polarity Reversed, Lead-Lead, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
h. Neutral Closed, Polarity Reversed, Lead-Lead, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
29 ECG 12-Lead Sink Leakage Current [Alternative: ECG 3-Lead Sink Leakage Current]			
Neutral Closed, Polarity Normal, Lead Iso.	<input type="checkbox"/>	<input type="checkbox"/>	
30 ECG 3-Lead Source Leakage Current [Alternative: ECG 12-Lead Source Leakage Current]			
a. Neutral Closed, Polarity Normal, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
b. Neutral Closed, Polarity Normal, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
c. Neutral Closed, Polarity Reversed, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
d. Neutral Closed, Polarity Reversed, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
e. Neutral Closed, Polarity Normal, Lead-Lead, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
f. Neutral Closed, Polarity Normal, Lead-Lead, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
g. Neutral Closed, Polarity Reversed, Lead-Lead, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
h. Neutral Closed, Polarity Reversed, Lead-Lead, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
31 ECG 3-Lead Sink Leakage Current [Alternative: ECG 12-Lead Sink Leakage Current]			
Neutral Closed, Polarity Normal, Lead Iso.	<input type="checkbox"/>	<input type="checkbox"/>	
32 SpO₂ Source Leakage Current [If SpO ₂ option is installed]			
a. Neutral Closed, Polarity Normal, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
b. Neutral Closed, Polarity Normal, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
c. Neutral Closed, Polarity Reversed, Lead-Gnd, Normal.	<input type="checkbox"/>	<input type="checkbox"/>	
d. Neutral Closed, Polarity Reversed, Lead-Gnd, Fault.	<input type="checkbox"/>	<input type="checkbox"/>	
33 SpO₂ Sink Leakage Current [If SpO ₂ option is installed]			
Neutral Closed, Polarity Normal, Lead Iso.	<input type="checkbox"/>	<input type="checkbox"/>	